



SEQUENCE LISTING

<110> Huls, Christoph
Gallert, Karl-Christian
Korner, Christof
Wahle, Elmar

<120> Human deadenylating nuclease, its
production and its use

<130> 50186/003001

<140> US 09/674,067

<141> 2001-01-08

<150> PCT/EP99/03071

<151> 1999-05-05

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 35 40 45
 Thr Pro Glu Glu Arg Tyr Gln Lys Leu Lys Lys His Ser Met Asp Phe
 50 55 60
 Leu Leu Phe Gln Phe Gly Leu Cys Thr Phe Lys Tyr Asp Tyr Thr Asp
 65 70 75 80
 Ser Lys Tyr Ile Thr Lys Ser Phe Asn Phe Tyr Val Phe Pro Lys Pro
 85 90 95
 Phe Asn Arg Ser Ser Pro Asp Val Lys Phe Val Cys Gln Ser Ser Ser
 100 105 110
 Ile Asp Phe Leu Ala Ser Gln Gly Phe Asp Phe Asn Lys Val Phe Arg
 115 120 125
 Asn Gly Ile Pro Tyr Leu Asn Gln Glu Glu Glu Arg Gln Leu Arg Glu
 130 135 140
 Gln Tyr Asp Glu Lys Arg Ser Gln Ala Asn Gly Ala Gly Ala Leu Ser
 145 150 155 160
 Tyr Val Ser Pro Asn Thr Ser Lys Cys Pro Val Thr Ile Pro Glu Asp
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 Gln Lys Lys Phe Ile Asp Gln Val Val Glu Lys Ile Glu Asp Leu Leu
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| Ile | His | Val | Glu | Thr | Leu | Glu | Thr | Glu | Lys | Lys | Glu | Arg | Tyr | Ile | Val | | |
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| Ile | Ser | Lys | Val | Asp | Glu | Glu | Glu | Arg | Lys | Arg | Arg | Glu | Gln | Gln | Lys | | |
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| His | Ala | Lys | Glu | Gln | Glu | Glu | Leu | Asn | Asp | Ala | Val | Gly | Phe | Ser | Arg | | |
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| Val | Ile | His | Ala | Ile | Ala | Asn | Ser | Gly | Lys | Leu | Val | Ile | Gly | His | Asn | | |
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| Met | Leu | Leu | Asp | Val | Met | His | Thr | Val | His | Gln | Phe | Tyr | Cys | Pro | Leu | | |
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| Pro | Ala | Asp | Leu | Ser | Glu | Phe | Lys | Glu | Met | Thr | Thr | Cys | Val | Phe | Pro | | |
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| Ile | Ile | Asn | Asn | Thr | Ser | Leu | Ala | Glu | Leu | Glu | Lys | Arg | Leu | Lys | Glu | | |
| | | | 340 | | | | | 345 | | | | | 350 | | | | |
| Thr | Pro | Phe | Asn | Pro | Pro | Lys | Val | Glu | Ser | Ala | Glu | Gly | Phe | Pro | Ser | | |
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| Tyr | Asp | Thr | Ala | Ser | Glu | Gln | Leu | His | Glu | Ala | Gly | Tyr | Asp | Ala | Tyr | | |
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| Ile | Thr | Gly | Leu | Cys | Phe | Ile | Ser | Met | Ala | Asn | Tyr | Leu | Gly | Ser | Phe | | |
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| | | | 405 | | | | | 410 | | | | | | 415 | | | |
| Pro | Phe | Phe | Asn | Lys | Leu | Phe | Leu | Met | Arg | Val | Met | Asp | Ile | Pro | Tyr | | |
| | | | 420 | | | | | 425 | | | | 430 | | | | | |
| Leu | Asn | Leu | Glu | Gly | Pro | Asp | Leu | Gln | Pro | Lys | Arg | Asp | His | Val | Leu | | |
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| His | Val | Thr | Phe | Pro | Lys | Glu | Trp | Lys | Thr | Ser | Asp | Leu | Tyr | Gln | Leu | | |
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| Phe | Ser | Ala | Phe | Gly | Asn | Ile | Gln | Ile | Ser | Trp | Ile | Asp | Asp | Thr | Ser | | |
| 465 | | | | 470 | | | | | 475 | | | | | | 480 | | |
| Ala | Phe | Val | Ser | Leu | Ser | Gln | Pro | Glu | Gln | Val | Lys | Ile | Ala | Val | Asn | | |
| | | | 485 | | | | | 490 | | | | | | 495 | | | |
| Thr | Ser | Lys | Tyr | Ala | Glu | Ser | Tyr | Arg | Ile | Gln | Thr | Tyr | Ala | Glu | Tyr | | |
| | | 500 | | | | | | 505 | | | | | 510 | | | | |
| Met | Gly | Arg | Lys | Gln | Glu | Glu | Lys | Gln | Ile | Lys | Arg | Lys | Trp | Thr | Glu | | |
| | 515 | | | | | 520 | | | | | | 525 | | | | | |
| Asp | Ser | Trp | Lys | Glu | Ala | Asp | Ser | Lys | Arg | Leu | Asn | Pro | Gln | Cys | Ile | | |
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| | | 580 | | | | | 585 | | | | | 590 | | | | | |
| Gln | Thr | Asp | Ser | Cys | Ala | Glu | Pro | Leu | Ser | Glu | Gly | Arg | Lys | Lys | Ala | | |
| | 595 | | | | | 600 | | | | | 605 | | | | | | |
| Lys | Lys | Leu | Lys | Arg | Met | Lys | Lys | Glu | Leu | Ser | Pro | Ala | Gly | Ser | Ile | | |
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| Ser | Lys | Asn | Ser | Pro | Ala | Thr | Leu | Phe | Glu | Val | Pro | Asp | Thr | Trp | | | |
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